

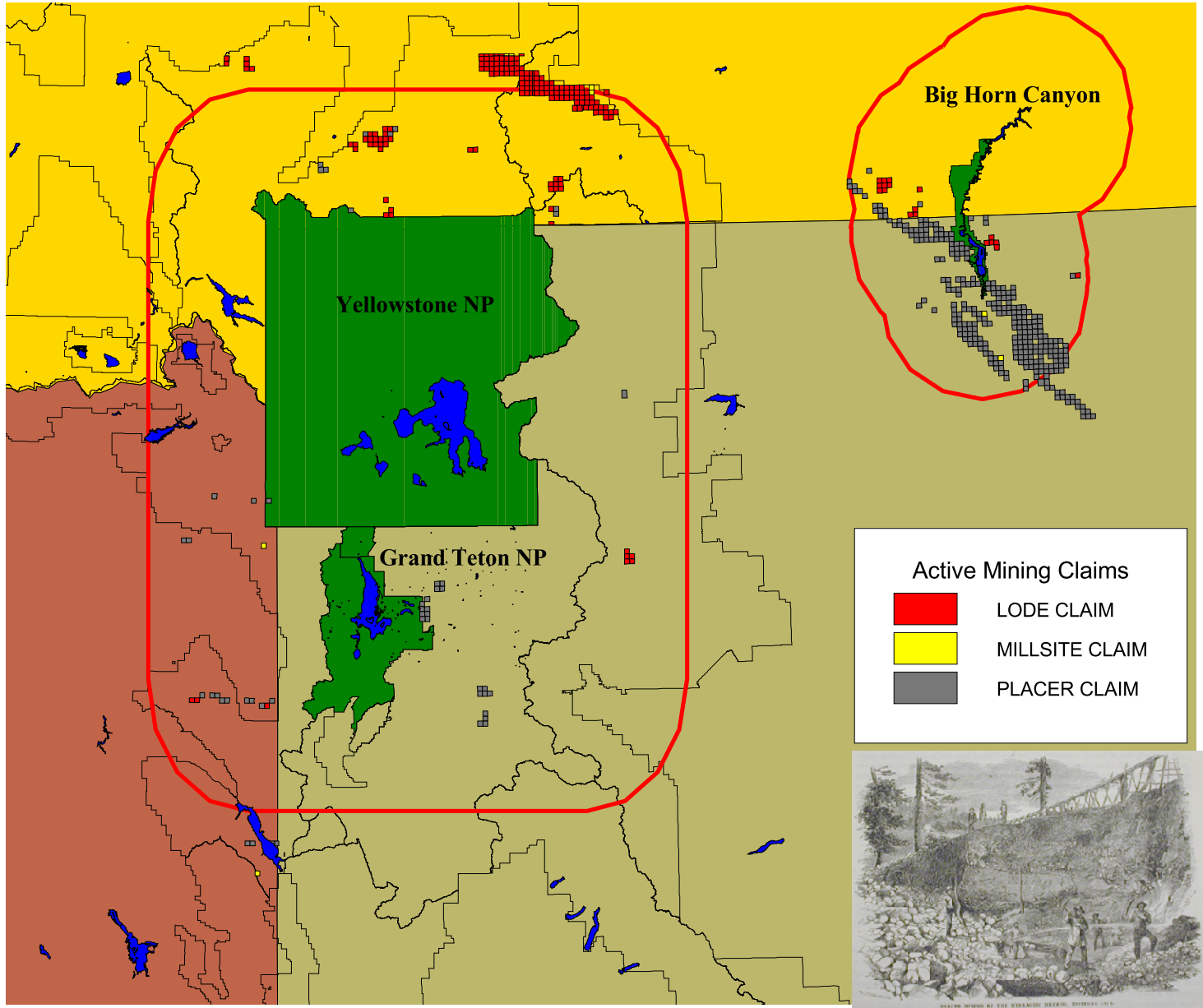
# Greater Yellowstone Area Network (GYRE)

Yellowstone National Park   ●   Grand Teton National Park   ●   Big Horn Canyon Recreation Area



## GYRE: Potential Areas Affected by Mining Claims & Oil/Gas Leases

GRYE: Areas Affected by Mining Claims

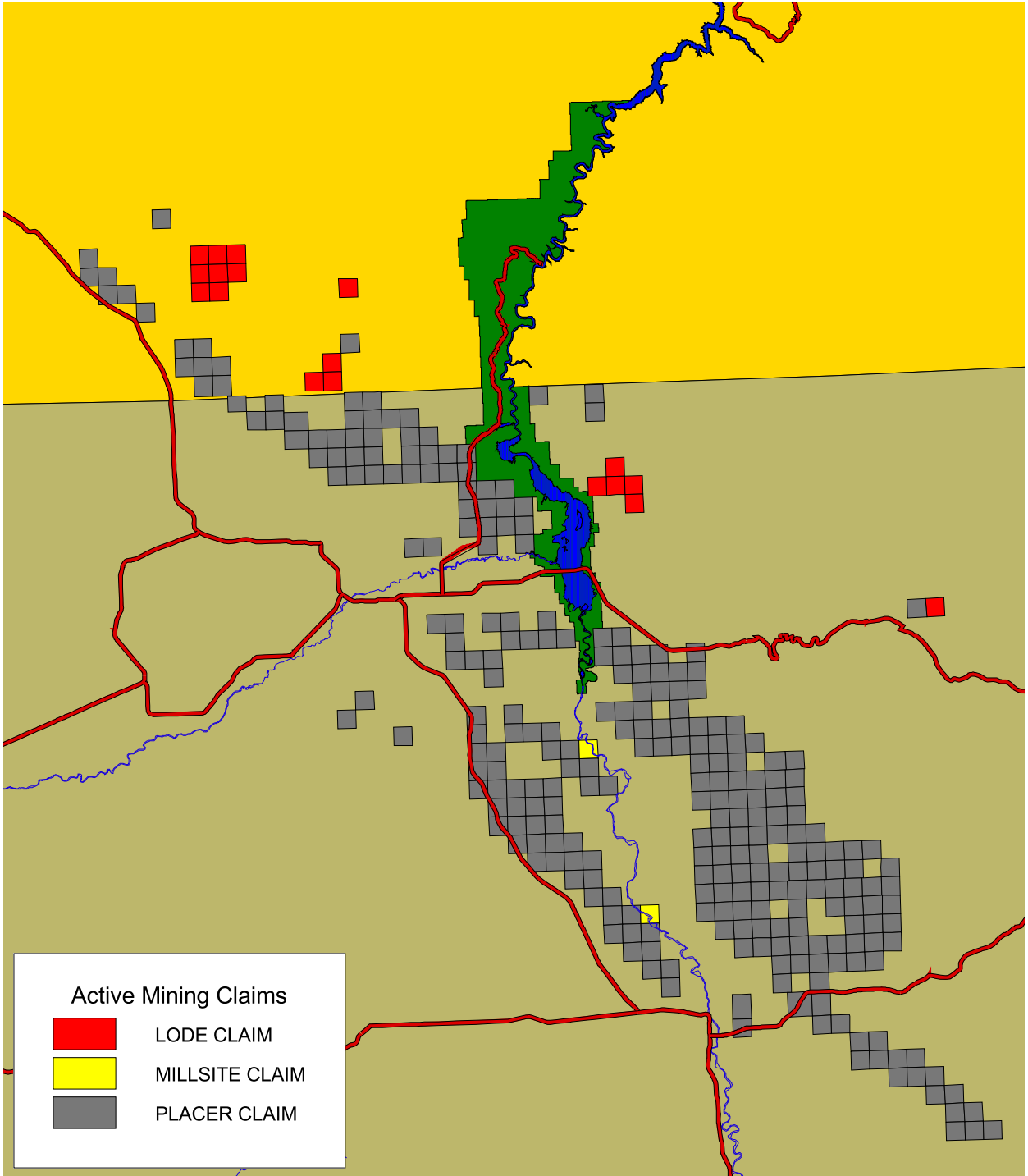


Due to the large amounts of patented land, active mining claims, and geo-thermal/oil/gas leasing in the vicinity of the Greater Yellowstone Area Network (GRYE) researchers began to worry about how these disturbed areas may affect the resources protected by the GRYE (Grand Teton National Park, Yellowstone National Park and Big Horn Canyon Recreation Area). Utilizing information from the Bureau of Land Management a relational database was linked to GIS data layers to analyze areas of potential encroachment.

The information for database development was obtained from a variety of BLM sources. Oil and gas lease information was obtained from hard copy master title plots from each state's BLM office. Active mining claim and patented land information was derived from the BLM's online databases (LR2000 and GLO). The data was entered into a relational database and linked to a PLSS (township, range and section) GIS layer based on the location of each section. With the mining claim information linked to GIS layers, the data could then be quickly and easily analyzed to determine areas that may suffer from encroachment.



Big Horn Canyon Active Mining Claims



Throughout the GRYE a total of 9086 active mining claims and 881 oil/gas leases are within twenty miles of Yellowstone, Grand Teton or Big Horn Canyon. Due to the concentration of activity surrounding Big Horn Canyon Recreation Area more detailed maps were created to analyze the area and gain a full understanding of what issues may be affecting the recreation area.

### Mining Claim Definitions

Lode Claim: Mined hard rock claim looking for underground deposits in veins, shafts or adits.

Millsite Claim: Usually present at a placer/load claim at which minerals need to be crushed and concentrated.

Placer Claim: Heavy metal found in stream gradients and sediments. Usually are surface/hydrology-mining claims and have a wide area of disturbance.

Big Horn Canyon Oil and Gas Leases

